

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Artemisia salsolooides***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	(-)-CAMP�OR	Shoot	210000	210000		V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
1	(-)-TERPINEN-4-OL	Shoot	24500	24500		V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
67	1,8-CINEOLE	Shoot	86500	86500	1.10495776701441	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
28	ALPHA-PINENE	Shoot	3300	3300	0.18166690399860314	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
13	ALPHA-TERPINENE	Shoot	2650	2650	6.9451946634613355	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
23	ALPHA-TERPINEOL	Shoot	4000	4000	3.838459168847244	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
6	ALPHA-THUJONE	Shoot	9500	9500	3.6055258787422324	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
1	BENZYL-ISOVALERATE	Shoot	50	50		V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-PINENE	Shoot	2600	2600	0.06102444071669903	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
5	BETA-THUJONE	Shoot	15000	15000	3.162270479122553	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
35	BORNEOL	Shoot	4500	4500	3.952586836653399	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
12	BORNYL-ACETATE	Shoot	3250	3250	4.989307593969599	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
9	CAMPHENENE	Shoot	24500	24500	2.126173523717797	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
41	CAMPHOR	Shoot	--	210000	7.734143750713728	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
19	CARVONE	Shoot	2500	2500	0.19598632912908293	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
3	CINNAMYL-ACETATE	Shoot	50	50		V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
10	CUMINALDEHYDE	Shoot	1000	1000	5.4312546268770925	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	ETHYL-ISOVALERATE	Shoot	4800	4800		V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
11	GAMMA-TERPINENE	Shoot	5000	5000	3.0603388280060884	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
5	GERANYL-ACETATE	Shoot	50	50	-0.41824605893863187	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
2	GERMACRENE-D	Shoot	2850	2850	1.2272858077072613	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
22	MYRCENE	Shoot	7000	7000	7.647238814250376	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
5	MYRTENAL	Shoot	2900	2900	3.861726647347548	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
2	MYRTENOL	Shoot	4250	4250	6.8374182963300845	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
16	P-CYMENE	Shoot	6500	6500	4.651328413135248	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
1	PINOCARVONE	Shoot	2100	2100	1.6346616131518463	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	PIPERITONE	Shoot	500	500	-0.12900942401968535	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
5	SABINENE	Shoot	4150	4150	4.1227868618031405	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
23	TERPINEN-4-OL	Shoot	--	24500	9.988471668153748	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
2	TRANS-PINOCARVEOL	Shoot	3000	3000	1.1140075228119024	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.
5	VERBENONE	Shoot	4250	4250	5.859500414309206	V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Aremisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305.